

COURSE OFFERINGS 2025–2026

POWERED BY:



VIRGINIA
VIRTUAL ACADEMYSM

English

ENGLISH 9

K12's English 9 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students may also develop and deliver presentations, and participate in discussions with their peers.

ENGLISH 9 HONORS

The Summit English 9 Honors course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in ENG 9 as well as several extension activities. Each semester also includes an independent honors project. A student must have received a B or better in their previous English course to be considered for honors AND completed the honors contract.

ENGLISH 10

K12's English 10 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students may also develop and deliver presentations, and participate in discussions with their peers.

ENGLISH 10 HONORS

The Summit English 10 Honors course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in English 10 with some extensions and an independent honors project in each semester. A student must have received a B or better in their previous English course to be considered for honors AND completed the honors contract.

AMERICAN LITERATURE (ENGLISH 11)

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These works provide opportunities for text analysis, critical writing, creative projects, and online discussions. Students develop will practice a variety of writing styles, develop their vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for the end course reading and writing SO

English (Cont.)

AP ENGLISH LANGUAGE AND COMPOSITION (GRADE 11)

AP English Language and Composition provides students with the opportunity to read and write critically. The course is structured into units, based on the College Board guide. Students will closely examine big ideas such as: rhetorical situation, claims and evidence, reasoning and organization and style. They will read a variety of non-fiction writings, including scientific, sociological, philosophical, and narrative texts. The students will read, annotate, and write synthesis essays (using several primary sources), as well as argument and rhetorical analysis essays. Students will work through the writing process using peer review and teacher feedback to complete several drafts of their work. This course is designed to be equivalent of a one-semester introductory college–or university-level survey course. This course meets guidelines outlined in the College Board’s AP® English Language and Composition Course and Exam Description.

A student must have received a C or better in previous English course AND completed the honors/AP contract before they will be placed in this course.

BRITISH LITERATURE (ENGLISH 12)

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing

AP ENGLISH LITERATURE AND COMPOSITION (GRADE 12)

AP English Literature and Composition provides students with the opportunity to read and analyze a variety of works and write about those works with stylistic maturity. The course is structured into units, based on the College Board Course and Exam Description. Students will closely examine big ideas such as: character, setting, structure, narration, figurative language, and literary argument. They will read fictional works, including short fiction, long fiction, poetry, and drama from a variety of countries and time periods. Students will practice analyzing works through an assortment of strategies. Students will write multiple essays encompassing prose fiction analysis, poetry analysis, and literary argument. They will also complete a full research paper that compares two works, utilizing secondary, as well as primary, sources. They will complete an annotated bibliography and work through the writing process using peer review and teacher feedback to complete several drafts of their paper. In addition, students will be given opportunities to practice for the AP exam, with both multiple-choice questions and timed essays. This course is designed to be the equivalent of a one-semester introductory college–or university-level survey course.

A student must have received a C or better in previous English course AND completed the honors/AP contract before they will be placed in this course..

Math

ALGEBRA 1

The Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions. Students will take an SOL at the end of this course.

ALGEBRA 1 HONORS

The Algebra 1 honors course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of Algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions. The honors course offers extension activities throughout the course. Students will take an SOL at the end of this course.

GEOMETRY

The Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Algebra 1 is a pre-requisite. It is recommended that a student passes the Algebra SOL before moving into Geometry.

GEOMETRY HONORS

This Geometry Honors course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling. This course includes all the topics in geometry as well as several extension activities. Each semester also includes an independent honors project. Algebra 1 is a pre-requisite. A student must receive a B or better in their previous math course and pass the ALG 1 SOL.

ALGEBRA, FUNCTIONS, DATA AND ANALYSIS (AFDA)

The context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, or exponential equations or a system of equations. The infusion of technology in the course will assist in modeling and investigating functions and data analysis. Algebra 1 is a pre-requisite.

It is recommended that a student who has not passed the Algebra 1 SOL take AFDA before moving to Geometry. AFDA can also be taken after Geometry before taking Algebra 2.

Math (Cont.)

ALGEBRA 2

This course builds upon algebraic concepts covered in Algebra. Students extend their knowledge and understanding by solving open-ended problems using critical and creative thinking. Students will also have opportunities to expand their learning through communication, collaboration, and demonstrating citizenship. Topics include functions and their graphs, quadratic functions, inverse functions, and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; and statistics.

Successful completion of Algebra 1 AND Geometry are required before taking this course.

ALGEBRA 2 HONORS

In the Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

A student must receive a B or better in their previous math course and pass a math SOL.

MATH ANALYSIS (PRE-CALCULUS)

Math Analysis (pre-calculus) weaves together concepts of algebra and geometry into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations and polar form of complex numbers; arithmetic of complex numbers; and parametric equations. Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between the algebra and the geometry of concepts highlights the interwoven nature of the study of mathematics.

Successful completion of Algebra 2 is required before taking this course

AP CALCULUS AB

In AP Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP exam and further studies in science, engineering, and mathematics.

Successful completion of Math Analysis is required before taking this course

Science

BIOLOGY

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home. Students will take an SOL at the end of this course. All 9th graders will take this or honors Biology. The honors course provides enrichment activities throughout the course.

In order to take an honors course, the student must have a B or better in their previous science course.

EARTH SCIENCE

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in depth online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods. Students who do not pass the Biology SOL will be recommended to take Earth science. Students will take an SOL at the end of this course if they have not passed a science SOL yet. There is also an honors level course that provides enrichment activities throughout the course.

In order to take an honors course, the student must have a B or better in their previous science course.

ENVIRONMENTAL SCIENCE

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

Successful completion of Biology is a pre-requisite.

CHEMISTRY

This course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book. There is also an honors level course that provides enrichment activities throughout the course.

It is recommended that students do not take chemistry unless they have passed a science SOL. Biology is a pre-requisite.

ANATOMY AND PHYSIOLOGY

Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry.

Successful completion of Biology is a pre-requisite.

Science (Cont.)

PHYSICS

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, virtual laboratories, and related assessments, plus an associated problem-solving book.

AP ENVIRONMENTAL SCIENCE

AP Environmental Science is equivalent to a two semester introductory college-level environmental science course designed to prepare students for the College Board AP Environmental Science Exam. This course meets guidelines outlined in the College Board's AP Environmental Science Course Description (2013) and incorporates the most recent changes required of course content and preparation for the AP Environmental Science Exam. This course aims to provide students with scientific principles, concepts, and methodologies needed to understand interrelationships in the natural world, identify and analyze environmental problems (natural and human-made), and evaluate the relative risks associated with these problems. **Students can take in 11th or 12th grade and must have had a C or better in previous science course. Course Description Video**

AP BIOLOGY

This course guides students to a deeper understanding of biological concepts including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board.

Successful completion of Biology is required. Students can take in 11th or 12th grade and must have had a C or better on previous science course.

Social Studies

WORLD HISTORY 1

In this comprehensive survey of world history from prehistoric to modern times, students focus in depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad areas, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts within the context of the historical narrative. Online lessons and assessments complement World History: Our Human Story, a textbook written and published by Stride. Students are challenged to consider topics in depth and from multiple perspectives as they analyze primary sources and maps and complete other projects. They practice historical thinking and writing skills as they explore the broad themes and big ideas of human history.

WORLD HISTORY 2 (MODERN WORLD STUDIES-STANDARD AND HONORS)

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the problems and accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world from multiple perspectives. Online lessons help students organize their studies, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, connecting past historical events to current events, and completing projects. There is also an honors level course that provides enrichment activities throughout the course.

In order to take an honors course, the student must have a B or better in their previous social studies course. This course is recommended for students who are working towards an advanced studies diploma. Students working towards a standard diploma will not take this course.

US HISTORY

This course is a full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. This is typically taken in 11th grade and is a federal requirement to take.

AP US HISTORY

Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP® Exam but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns to the sequence of topics recommended by the College Board and to widely used textbooks. Students prepare for the AP Exam.

Students can take in 11th or 12th grade and must have had a B or better in previous social studies course. This can be taken in lieu of US history. Course Description Video

Social Studies (Cont.)

US GOVERNMENT AND POLITICS

Students study the history, organization, and functions of the U.S. government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and their governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court. They analyze current and historical issues from multiple points of view to practice and deepen their critical thinking skills. This is typically taken in 12th grade.

AP US GOVERNMENT AND POLITICS

This course is the equivalent of an introductory college-level course. Students explore the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students gain the analytic perspective necessary to evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP Exam and for further study in political science, law, education, business, and history.

Students can take in 11th or 12th grade and must have had a C or better in previous social studies course. This can be taken in lieu of AP US Government and Politics. Course Description Video

Other Required Courses

PERSONAL HEALTH 9

In this course students will study physical, emotional, mental, and social health. They will study how to maintain and improve all facets of health while learning about disease and illness prevention. Students will also study the effects of tobacco, alcohol, and substance abuse for the individual as well as communities. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Course Length: 1 Semester. Required for all 9th graders.

PERSONAL HEALTH 10

In this course students will study physical, emotional, mental, and social health. They will study how to maintain and improve all facets of health while learning about disease and illness prevention. Students will also study the effects of tobacco, alcohol, and substance abuse for the individual as well as communities. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Course Length: 1 Semester. Required for all 10th graders.

LIFETIME FITNESS AND WELLNESS 9

This course includes wellness instruction and promotes student participation in weekly cardiovascular, aerobic, and muscle-toning activities. Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, from high school and beyond. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students stay active. Students will set fitness goals and assess their progress throughout the course.

Course Length: 1 Semester. Required for all 9th graders.

PHYSICAL FITNESS 10

This course includes wellness instruction and promotes student participation in weekly cardiovascular, aerobic, and muscle-toning activities. Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, from high school and beyond. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students stay active. Students will set fitness goals and assess their progress throughout the course.

Course Length: 1 Semester. Required for all 10th graders.

ECONOMICS AND PERSONAL FINANCE

In this course, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; and a survey of markets in such areas as China, Europe, and the Middle East.

Course Length: Year Long. Required for all 11th graders unless they have already taken it

World Language Electives

SPANISH I

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar.

SPANISH II

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. By Semester 2, the course is conducted almost entirely in Spanish.

SPANISH III

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts.

AMERICAN SIGN LANGUAGE I

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? American Sign Language: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness.

This course requires students to be on camera during class and submit videos regularly to ensure mastery of the content.

AMERICAN SIGN LANGUAGE II

American Sign Language 2 goes beyond introductory ASL signs. This course helps students form structured sentences and explores how expressions can enhance signs to have meaningful conversations. Students will learn to communicate in everyday situations while learning vocabulary for descriptions, directions, shopping, and dealing with emergency situations. Furthermore, the course will teach students about the Deaf Community, culture, and language. Students will learn about sequencing, transitions, future tenses, and will be able to tell a story, and ask questions.

This course requires students to be on camera during class and submit videos regularly to ensure mastery of the content.

Fine Art Electives

ART APPRECIATION (REGULAR AND HONORS)

In this course students learn about the various forms of visual art such as painting, sculpture, architecture, and film. Students will engage in hands-on activities, discussion, research, and writing assignments as they gain a greater understanding of art in its various forms. Students will garner a sense of the value of art across different cultures. This course offers a regular and honors section. The honors section requires students to complete more projects and expand their knowledge of the content.

MUSIC APPRECIATION

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and 20th century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world.

To comply with certain state standards for the arts, a student "performance practicum" is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their proposed practicum to the students' teachers for approval and validate their children's regular participation in the chosen performance practicum.